

FIG. 1

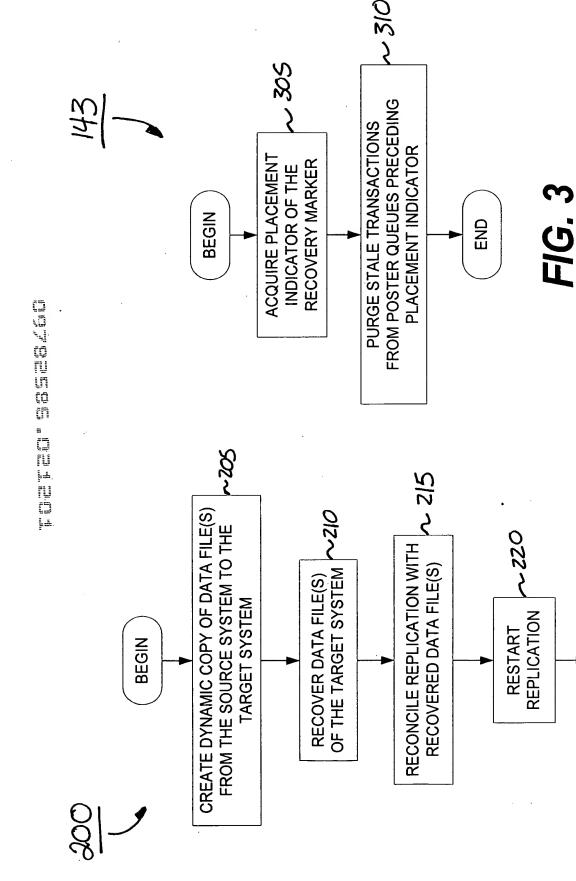


FIG. 2

END

| | USER ACTIVITY ON | IVITY ON | | TRANSACTION PROGRESS | PROGRESS | |
|-------|---------------------------------------|------------------|---------------------------------------------------------------------|----------------------|----------------------------------|--------------------|
| | SOURCE SYSTEM | SYSTEM | | | | |
| | START | COMPLETE (COMMIT | TRANSACTIONS IN LOG FILES OF THE | TRANSACTIONS IN | TRANSACTIONS IN POSTED OFFETE | APPLY TO TARGET |
| | (SEI IKANS.) | TRANS.) | SOURCE SYSTEM | NEADEN QUEUE | IN FOSTEN QUEUE | SYSTEM? |
| | T01 | | T01 Set Transaction | T01 Set Transaction | T01 Queue Transaction | Wait for Commit |
| | T02 | • | T02 Set Transaction | T02 Set Transaction | T02 Queue Transaction | Wait for Commit |
| | T03 | | T03 Set Transaction | T03 Set Transaction | T03 Queue Transaction | Wait for Commit |
| 405 ~ | $405 \sim \text{Target system fails}$ | EM FAILS | | | | |
| | | T02 | T02 COMMIT | T02 COMMIT | Unavailable | Unavailable |
| | T04 | | T04 Set Transaction | T04 Set Transaction | Unavailable | Unavailable |
| | | T01 | T01 COMMIT | T01 COMMIT | Unavailable | Unavailable |
| 410 ~ | | LE COPY, REC | COMPLETE FILE COPY, RECOVER DBMS, AND EXECUTE THE RECONCILE PROCESS | ECUTE THE RECONCI | LE PROCESS | |
| | T05 | | T05 Set Transaction | T05 Set Transaction | T02 COMMIT | DISCARD |
| | T06 | | T06 Set Transaction | T06 Set Transaction | T04 Queue Transaction | Wait for Commit |
| | | T3 | T3 COMMIT | T3 COMMIT | T01 COMMIT | DISCARD |
| 415~ | COMPLETE RE | CONCILE ANI | 415 \sim complete reconcile and restart poster | | | |
| | T07 | | T07 Set Transaction | T07 Set Transaction | T05 Queue Transaction | Wait for Commit |
| | | | | - | T06 Queue Transaction | Wait for Commit |
| | | | | | T3 COMMIT | COMMIT |
| | | | | | T07 Queue Transaction | Wait for Commit |

FIG. 4